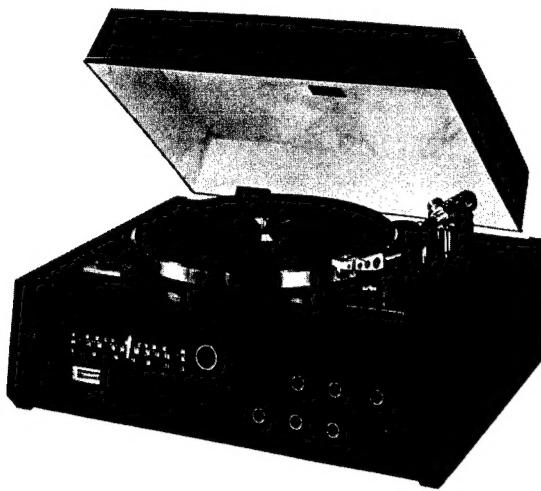




SANYO

**SANYO
STEREO MUSIC CENTER
DXT 5500L
SERVICE MANUAL**



SPECIFICATIONS

GENERAL

IC
Transistors

STK016
2SK41 × 1
2SC668 × 2
2SC929 × 1
2SC930 × 2
2SC536 × 1
2SC693 × 10

Diodes

1S188 × 5
DS-442 × 1
10D1 × 2
SZ-9 × 1

Power Source

AC 220V/110V 50Hz

Power Consumption

65 watts

Dimensions (approx.)

475(W) × 390(D) × 235(H) mm
(18-3/4" × 15-3/8" × 5-3/8")

Weight (approx.)

12.5 kg
(28.1 lbs)

AUDIO SECTION

Total Music Power Output

40 watts (8 ohm), T.H.D. 1%

Continuous Power Output
each channel driven
both channel driven

15 watts (8 ohm), T.H.D. 1%
12 watts (8 ohm), T.H.D. 1%

Total Harmonic Distortion

1.0% at rated power output

Frequency Response

50 Hz-30,000 Hz ± 3 dB

Power bandwidth

70 Hz-20,000 Hz

Input Sensitivity and Input
Impedance for Rated
Power Output

AUX 100 mV 100 kohm
TAPE PLAYBACK (RCA)
200 mV 100 kohm
TAPE PLAYBACK (DIN)
200 mV 100 kohm

Recording Out

RCA 100 mV 100 kohm

Damping Factor

DIN 100 mV 100 kohm

Matching Speaker
Impedance

50

Bass

100 Hz -9- +10dB

Treble

10 kHz -10- +10dB

Loudness Control

100 Hz+8 dB, 10 kHz+3 dB
(at -30 dB power output)

FM SECTION

Frequency range

88 MHz-108 MHz

IF

10.7 MHz

Antenna Impedance
Sensitivity (IHF)
Harmonic Distortion
Signal to Noise Ratio
Image Rejection
IF Rejection
Spurious Response
Separation
SCA Rejection

300 ohms balanced
10 µV
1.0% max at 60 dB input
50 dB
45 dB at 98 MHz
60 dB at 98 MHz
60 dB at 98 MHz
30 dB
45 dB

MW and LW SECTION

Frequency Range

MW 535 kHz-1,605 kHz

IF

LW 150 kHz- 350 kHz

Usable Sensitivity

MW 350 µV/m

Image Rejection

LW 400 µV/m

Selectivity

MW 40 dB at 1,000 kHz

AGC

LW 30 dB at 350 kHz

Whistle Modulation

25 dB

40 dB

10% max at 74 dB input

RECORD PLAYER SECTION

Type

2-speed turntable with belt drive,
automatic return turntable.

Motor

4-pole synchronous motor.

Turntable Speed

33-1/3 & 45 rpm.

Turntable

Al diecast 12 inch diameter.

Wow & flutter

0.1% RMS.

Signal to noise ratio

50 dB

Tonearm

Static balanced pipe arm, plug-in
cartridge shell.

Tracking force

3-5 gr.

Frequency Response

20-20,000 Hz.

Channel separation

More than 25 dB at 1,000 Hz.

Output voltage

5mV, 1,000 Hz, 50 m/sec.

Cartridge

Magnetic Stereo Cartridge,

Model MG-15

0.5 mil. diamond stylus,

Model ST-15G

470(W) × 354(D) × 190(H) mm

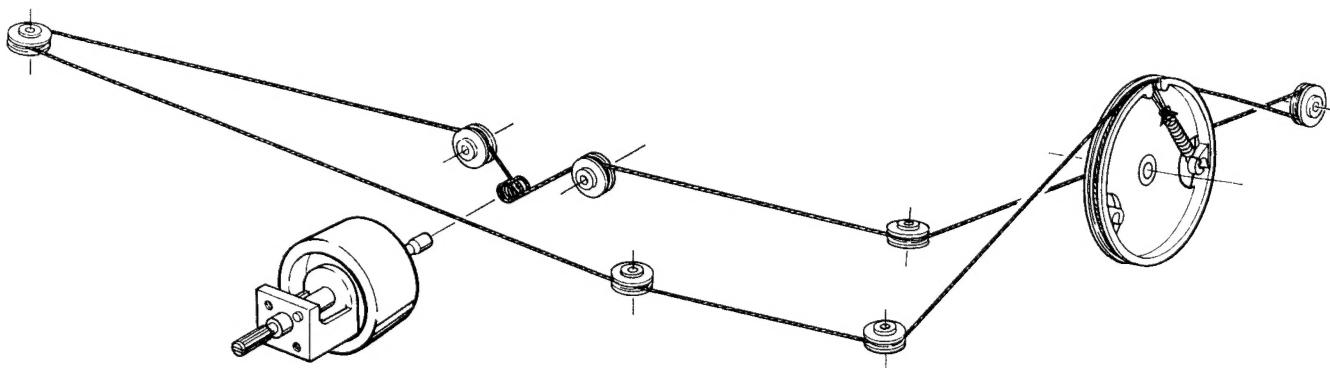
Dimensions (approx.)

18-1/2"(W) × 14"(D) × 7-1/2"(H)

Weight (approx.)

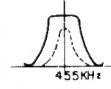
8.0 Kg (17.6 lbs.)

DIAL CORD STRING



ADJUSTMENTS

AM ADJUSTMENT

Step	Adjusting circuit	Connections		SG. frequency	Position of tuning dial	Adjustment	V.T.V.M. Oscilloscope	
		Input	Output					
1	IF	Connect sweep generator to VC4.	Connect oscilloscope to test point TP2.	455 KHz (400Hz 30% modulation)	Near max. capacity of VC. at position with no unrequired signal.	AM 1st 9-20970 (Red)		
2	MW	Connect standard loop antenna to output terminals of SG.	Connect V.T.V.M. to speaker terminals.	600 KHz (400Hz 30% modulation)	600 KHz	AM ANT 9-21000 MW OSC 9-20690	Max.	
3		Place receiver 2 feet from loop antenna.		1400 KHz (400Hz 30% modulation)	1400 KHz	TC 6 TC 8		
4				150 KHz (400Hz 30% modulation)	150 KHz	AM ANT 9-21000 LW OSC 9-20720		
5	LW			350 KHz (400Hz 30% modulation)	350 KHz	TC 7, TC 9	'Max.'	
6	Repeat adjustments.							

PREPARE

- Variable capacitor completely closed.
- Set the dial pointer to very left line dial scale.
- Connect sweep generator, SG, V.T.V.M. and oscilloscope.

FM ADJUSTMENT

Step	Adjusting circuit	Connections		SG frequency	Position of tuning dial	Adjustment	V.T.V.M. Oscilloscope
		Input	Output				
1	IF	Connect sweep generator to test point TP1 through 0.01μF.	Connect oscilloscope to test point TP3.	10.7 MHz (none modulation)	Near max. capacity of VC. at position with no unrequired signal.	FM 1st 9-20890 (Violet) 9-20900 (Green)	
2			Connect oscilloscope to test point TP4.			FM DET 9-20850 (Pink) 9-20860 (Blue)	
3	RF	Connect FM SG. to FM ANT. terminals.	Connect V.T.V.M. to speaker terminal.	90 MHz (400Hz, 30% modulation)	90 MHz	FM ANT 9-20990 FM OSC 9-20461 RF Coil 9-20270	Max.
4			106 MHz (400Hz, 30% modulation)	106 MHz	TC1 TC2 TC3		
5	Repeat adjustments.						

PREPARE

- Variable capacitor completely closed.
- Set the dial pointer to very left line of dial scale.
- Connect sweep generator, FM SG, V.T.V.M. and oscilloscope.
- FM antenna input impedance is 300 ohm.
- Selector switch to "FM"
- Use a screwdriver with plastic grip for all adjustments.

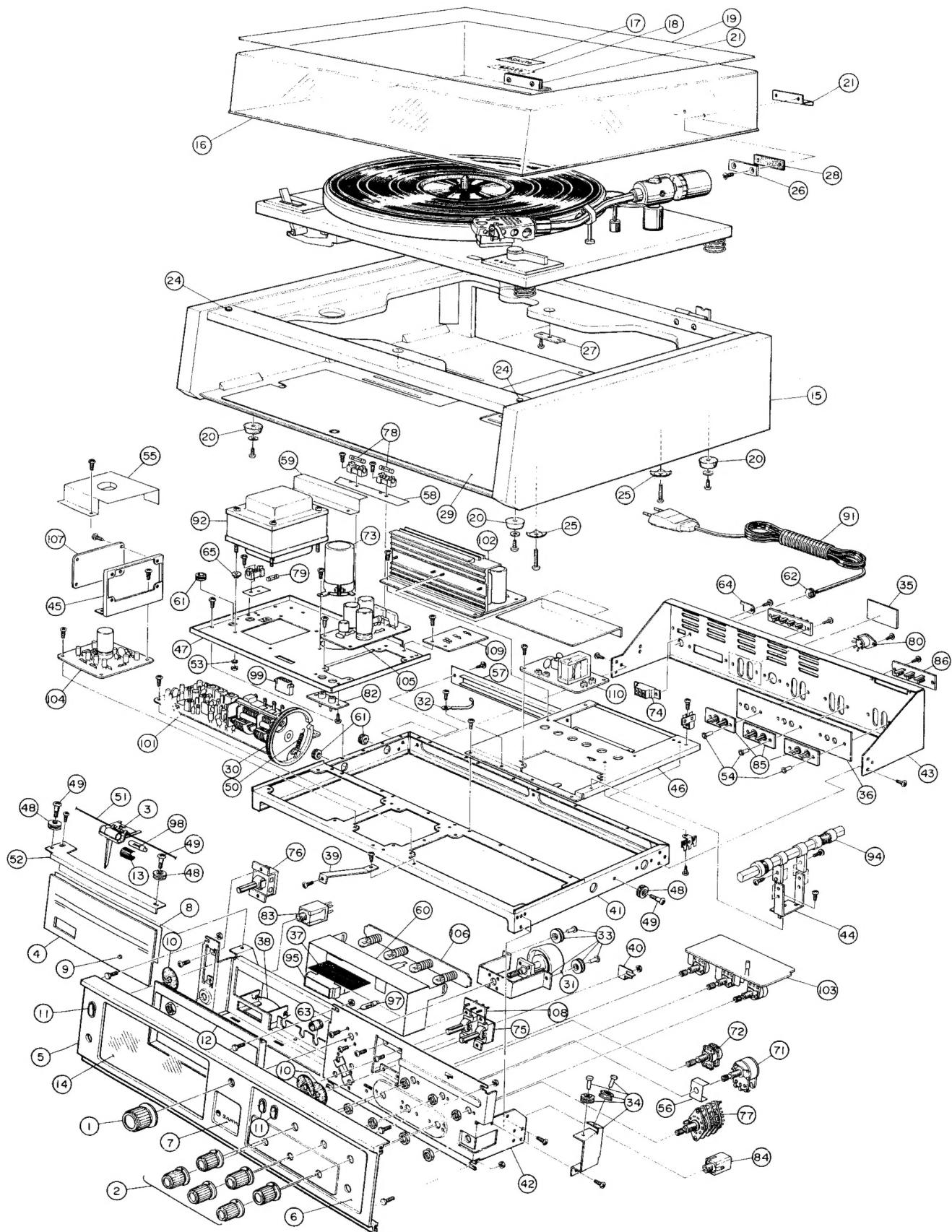
FM MPX ADJUSTMENT

Step	Adjusting circuit	Connections		Position of tuning dial	Adjustment	V.T.V.M.
		Input	Output			
1	SCA signal filter (67 KHz)	Add SCA signal to FM stereo SG. to FM ANT. terminals. FM stereo signal OFF.	Connect V.T.V.M. to TP5	Near max. capacity of VC. at position with no unrequired signal.	67KHz 9-20140 (Red)	Min.
2	19KHz pilot signal	Connect FM stereo SG. to FM ANT terminals. 19KHz signal ON. SCA signal OFF.	Connect V.T.V.M. to test point TP6.		19KHz 9-20210 (White)	Max.
3	38 KHz	Connect FM stereo SG to FM ANT terminals. 19KHz signal ON. Main channel, sub channel signal ON. Add 1000Hz signal from L Ch.	Connect V.T.V.M. to test point TP6.		38KHz 9-20220 (Black)	Max.
4	FM stereo signal separation	Add 1000Hz signal from R Ch.	Connect V.T.V.M. to R speaker terminal.		38KHz 9-20220 (Black)	Min.
5			Connect V.T.V.M. to L speaker terminal.		38KHz 9-20220 (Black)	Min.
6	Repeat steps 4 ~ 5. Set at position with max. channel separation.					

PREPARE

- Variable capacitor completely closed.
- Connect FM stereo SG. and V.T.V.M.
- Selector switch to "FM AUTO"
- Use a screwdriver with plastic grip for all adjustments.

EXPLODED VIEW



PARTS LIST

Key No.	Part No.	Description	Q'ty	Key No.	Part No.	Description	Q'ty	
PACKAGE								
	4 2449 20230	Antenna, FM	1		102 3 1103 50801	Screw, pan hd. tpg. 3.5×8, Z1 panel front	4	
	131 6 1139 44600	Box, corrugate exp	1		102 3 1202 61000	Screw, pan hd. tpg. 2.6×10 fuse holder	3	
	131 6 2119 00710	Bag, polyethylene, cabinet	1		102 3 1203 00602	Screw, pan hd. tpg. 3.0×6, Z1 metal mount trans 8, Cemicon 2, 2P-1 lug 3, metal mount PCB 5, M.M ant 1, cover 2, panel rear 6, shelter light 3, metal slide point 1, pulley assy 2, metal mount 1	34	
	131 6 2519 00201	Bag, polyethylene, turntable	1		102 3 1203 00802	Screw, pan hd. tpg. 3.0×8, Z1 power supply PCB 2, phono 2PU sock 2, main amp PCB 4, DIN PCB 2, MW PCB 2, filter PCB 2, bar antenna 2, pre PCB 4, RF PCB 4, plate sever 2	26	
	131 6 2719 10400	Bag, fan	1		102 3 1203 00805	Screw pan hd. tpg. 3.0×8, Z1 tarminal antenna 2, tarminal speaker 2	4	
	131 6 3009 15031	Pad, lid	1		102 3 2403 00600	Screw, flat hd. tpg. 3.0×6 metal mount	1	
	131 6 3009 16600	Pad, right	1		104 3 1103 00005	Nut, hex 3.0, trans	4	
	131 6 3009 16700	Pad, left	1	30	131 0 3002 10402	Drum assy	1	
	131 6 3009 17761	Pad, turntable	1	31	131 0 3003 14200	Shaft dial assy, panel front	1	
	131 6 3009 18100	Pad, upper	2	32	131 0 3016 10400	Cramp wire assy, phone lead	2	
	131 6 3069 14501	Patching paper, 500×800 mm lid	1	33	131 0 3020 00800	Pulley assy, shaft dial assy	1	
	131 6 3069 15630	Patching paper, 300×600 mm lid	1	34	131 0 3020 01000	Pulley assy, panel front right	1	
	131 6 4119 33800	Explanatory booklet	1	35	131 2 1310 19300	Name plate, panel rear	1	
	131 6 4559 10100	Manufacturing NO.	1	36	131 2 1310 19400	Name plate, panel rear, 2PU socket	1	
	131 6 4739 11400	Standerd label	2	37	131 2 1406 10707	Plate color, meter	1	
	131 2 5206 10208	Meldplane, 6×8×439 mm	1	38	131 2 3101 12701	Metal mount, meter	1	
	131 6 3009 18280	Pad, PL right	1	39	131 2 3101 17400	Metal mount, panel front center	1	
CABINET								
	101 3 1103 01403	Screw, pan hd. 3.0×14, B1, cabinet hing	4	40	131 2 3101 17500	Metal mount, panel front center	1	
	101 3 1104 01607	Screw, pan hd. 3.0×16, B1, panel front cramp	1	41	131 2 3301 16200	Chassis	1	
	101 3 1104 02003	Screw, pan hd. 4.0×20, chassis cramp	4	42	131 2 3305 14600	Panel, front	1	
	101 3 1204 01003	Screw, flat hd. 4.0×10, B1, lid, hinge	4	43	131 2 3306 14801	Panel, rear	1	
	102 3 1203 01602	Screw, pan hd. tpg.3.0×16, panel rear cramp	3	44	131 2 3603 12900	Metal mount, antenna	1	
	106 3 1102 71000	Screw, round hd. wood 2.7×10, nut plate	4	45	131 2 3614 14800	Mount, filter PCB	1	
	106 3 1103 11300	Screw, round hd. wood 2.1×13, leg rubber	4	46	131 2 3614 15400	Mount, main AMP PCB	1	
15	131 2 1101 23400	Cabinet	1	47	131 2 3617 12900	Metal mount, trans	1	
16	131 2 1107 14100	Lid	1	48	131 2 4107 10300	Pulley, slide rail pointer 2, chassis right 1	3	
17	131 2 1310 13103	Name plate, top lid	1	49	131 2 4108 10300	Spindle pulley, slide rail pointer 2, chassis right 1	3	
18	131 2 1310 15301	Name plate, lid inside	1	50	131 2 4111 00200	Spring, rope, drum assy	1	
19	131 2 1410 11200	Cover, lid	1	51	131 2 4112 10200	Rope 0.5×1760 mm	1	
20	131 2 1804 10401	Leg, rubber	4	52	131 2 4120 10400	Slide rail pointer	1	
21	131 2 2108 00300	Hinge, lid	2	53	131 2 4201 13300	Screw, fillister 4.0×8, panel rear	1	
22	131 2 2108 00402	Hinge, left cabinet	1		131 2 4203 14800	Washer, trans	4	
23	131 2 2108 00403	Hinge, right cabinet	1		131 2 4203 83206	Washer, 3.2×8×1.0, trans	4	
14	131 2 2904 11200	Pad, lid	2		54	131 2 4221 00100	Rivet, panel rear, 2PU socket	6
25	131 2 4203 15200	Washer, chassis cramp	4		55	131 2 6103 12301	Cover shield, pre AMP PCB	1
	131 2 4203 83205	Washer, 3.2×12×1.0, Z1 panel rear cramp	3		56	131 2 6107 12200	Plate sever, balance, panel front	1
	131 2 4203 83207	Washer, 3.2×8×0.5, B1 cabinet hinge	4		57	131 2 6107 13700	Plate sever, chassis rear left	1
	131 2 4203 84207	Washer, 4.2×16×1.2, B1 panel front cramp	1		58	131 2 6107 16100	Plate sever, fuse holder	1
26	131 2 4208 13101	Spacer, hinge, lid	2		59	131 2 6107 16200	Plate sever, fuse holder	1
27	131 2 4212 00101	Nut, plate, cramp motor board	2		66	131 2 6107 17000	Plate sever, fuse holder	1
28	131 2 5205 10300	Cushion, hinge, lid	2		60	131 2 6110 16500	Shelter light, panel front, dial	1
29	131 2 6101 17600	Plate, shielde, cabinet bottom inside	1		61	131 2 6111 11200	Bushing, chassis left slide 2, metal mount tras	3
APPEARANCE								
	103 3 1103 01000	Hex, bolt 3.0×10, mount panel control	6		62	131 2 6111 11300	Bushing, panel rear, AC	1
	104 3 1103 00005	Hex, nut 3.0, mount panel control	6		63	131 2 6111 11400	Bushing, panel front, stereo ind.	1
1	131 0 1001 19102	Knob assy, tuning	1		67	131 2 7103 13403	Label, fuse 2.0A	1
2	131 0 1001 19202	Knob assy	6		64	131 2 7104 00101	Plate pad, slide switch	1
3	131 0 3011 14000	Pointer assy	1		65	201 2 5020 00401	Bush D, trans	4
4	131 2 1201 20504	Plate, dial	1		68	131 2 3101 22800	Metal mount, heat sink	1
5	131 2 1203 21806	Panel, control	1					
6	131 2 1203 21905	Panel, control	1					
7	131 2 1301 15500	Badge	1					
8	131 2 1406 10708	Plate, color dial	1					
9	131 2 1504 10900	Plate, sign lamp	1					
10	131 2 6113 11400	Shelter, lever SW	3					
11	131 2 6113 11700	Shelter, lever SW	3					
12	131 2 6113 12000	Shelter, plate dial	1					
13	131 2 6308 12400	Filter, 12×20 red	1					
14	131 2 6308 13507	Filter, dial	1					
CHASSIS MECHANICAL PARTS								
	101 3 1103 00600	Screw, pan hd. 3.0×6, slide switch	2					
	101 3 1103 00802	Screw, pan hd. 3.0×8, Z1, drum assy	2					

NOTES: 1. Part orders must contain Model Number, Part Number and Description.
 2. Unless otherwise noted, component parts indicated by parentheses in the column Q'ty are not available.
 3. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

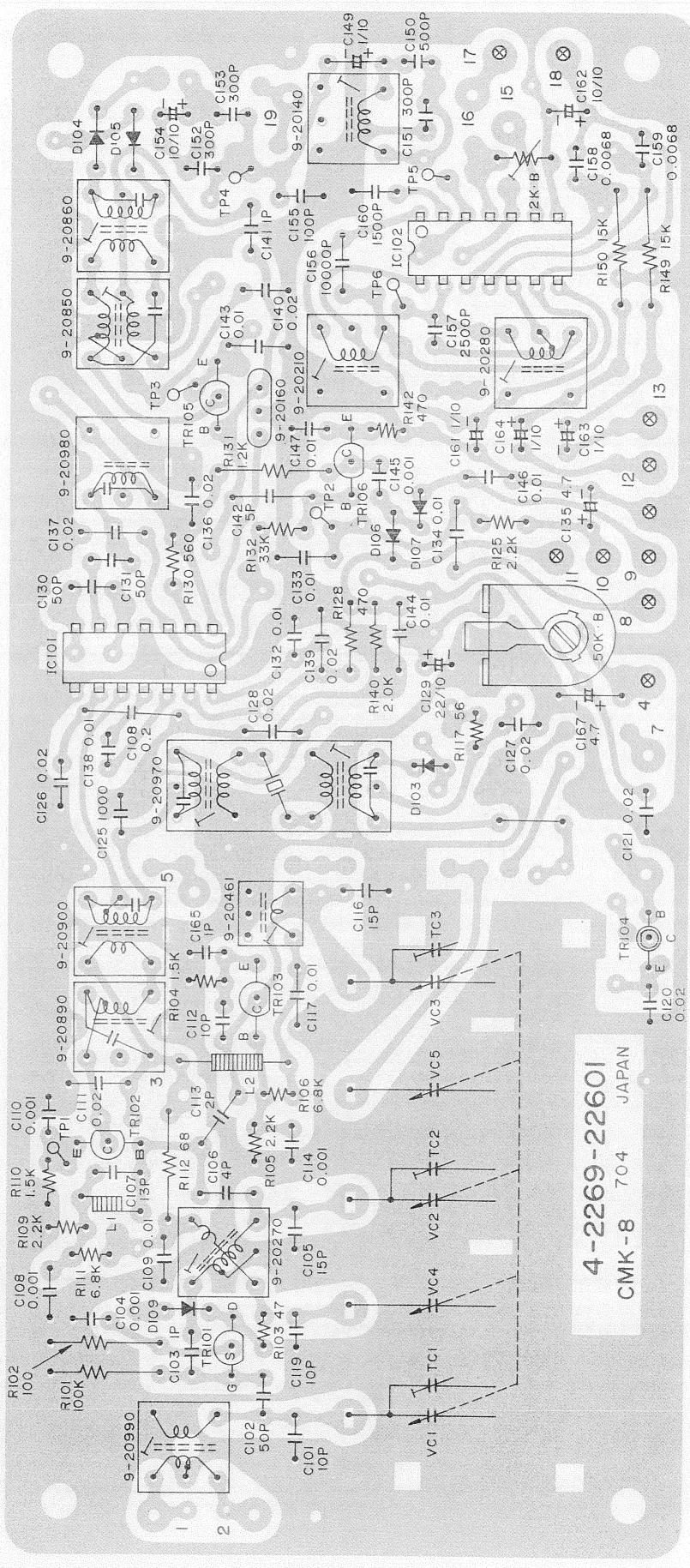
PARTS LIST

Key No.	Part No.	Description	Q'ty	Key No.	Part No.	Description	Q'ty
CHASSIS ELECTRICAL PARTS				RF, IF, MPX P.C.B. ASSEMBLY PARTS			
71	4 2229 22200	VR MN-200K, balance	1	C106		Ceramic 4 PF ±0.25PF 50V	1
72	4 2229 23680	VR B-200K, volume	1	C142		Ceramic 5 PF ±0.25PF 50V	1
73	4 2239 20590	Electrolytic 3300μF 50V	1	C112		Ceramic 10 PF ±5% 50V	1
74	4 2319 21530	Switch, AC selector	1	C101		Ceramic 10 PF ±5% 50V	1
75	4 2319 22334	Switch, lever 6P, tape monitor	1	C119		Ceramic 13 PF ±5% 50V	1
76	4 2319 22841	Power switch	1	C107		Ceramic 15 PF ±5% 50V	1
77	4 2319 23250	Switch rotary 3-6-5, function	1	C116		Ceramic 15 PF ±5% 50V	1
78	4 2349 20240	Fuse 1.6A	2	C105		Ceramic 15 PF ±10% 50V	1
79	4 2349 20250	Fuse 2A	1	C102,C130,		Ceramic 50 PF ±10% 50V	3
80	4 2359 20190	Socket, 5P DIN	1	C131			
81	4 2359 21020	Socket	3	C155		Ceramic 100 PF ±10% 50V	1
82	4 2359 21040	Socket, 2P PIN jack	1	C152,C153		Ceramic 300 PF ±10% 50V	2
83	4 2359 21080	Jack, headphone	1	C158,C159		Mylar 0.0068 MF ±20% 50V	2
84	4 2359 21410	MIC jack	1	C132,C133		Mylar 0.01 MF ±20% 50V	2
85	4 2359 21690	Socket, phono 2P, AUX, PB, REC	3	C134		Mylar 0.1 MF ±20% 50V	1
86	4 2379 20020	Terminal ANT 3P	1	C168		Mylar 0.22 MF ±20% 50V	1
87	4 2379 20080	Terminal lug 4P	1	C149,C161		Electrolytic 1 MF 10WV	2
88	4 2379 20110	Terminal lug, AM ANT	1	C135		Electrolytic 4.7 MF 10WV	1
89	4 2379 20140	Terminal lug 2P, AUX	1	C154,C162		Electrolytic 10 MF 10WV	2
90	4 2379 20410	Terminal lug 1-4PL, relay	1	C129		Electrolytic 22 MF 10WV	1
91	4 2439 20330	Power cord	1	C151		Styrol 300 PF ±10% 35V	1
92	4 2519 20930	Power trans	1	C150		Styrol 500 PF ±10% 35V	1
93	4 2539 22170	Choke coil L001	1	C125		Styrol 1000 PF ±10% 35V	1
94	4 2579 21001	ANT coil, AM	1	C160		Styrol 1500 PF ±10% 35V	1
95	4 5119 20104	Meter, tuning	1	C157		Styrol 2500 PF ±10% 35V	1
96	4 6129 20100	Small lamp, dial indicator	4	C156		Styrol 10000 PF ±10% 35V	1
97	4 6129 20143	Pilot lamp, stereo ind.	1	C163,C164		Aluminumu 1MF ±20% 10WV	2
98	4 6129 20145	Pilot lamp, pointer	1	C167		Aluminumu 4.7 MF ±20% 10WV	1
(CAPACITORS)				C104,C108,		Ceramic 0.001 MF +80 -20% 25WV	5
C005		Ceramic 200PF ±10% 50V	1	C110,C114,			
C002		Ceramic 0.2 MF ±20% 150V	1	C145			
C001		Ceramic 0.01 MF ±20% 250V	1	C109,C138,		Ceramic 0.01 MF +80 -20% 25WV	6
C007		Ceramic 0.04 MF +80 -20% 50V	1	C143,C144,			
(RESISTORS)				C146,C147			
R002		Carbon 1.2 KΩ ±10% 1/4W	1	C117			
R005,R006		Carbon 39 KΩ ±10% 1/4W	2	C111,C121,		Ceramic 0.01 MF +80 -20% 25WV	1
R003,R004		Carbon 82 KΩ ±10% 1/4W	2	C126,C127,			
R001		Metal film 390 Ω ±10% 3W	1	C128,C136,		Ceramic 0.02 MF +80 -20% 25WV	10
99	131 0 4006 00404	Cord assy, phono AC	1	C137,C139,			
	4 2359 21150	-Socket, 3P	1	C140,C120			
	293 3 0002 50000	-Twist wire UL, brack	1	(RESISTORS)			
	293 3 0102 50000	-Twist wire UL, brown	1	R103		Carbon 47 Ω ±10% 1/4W	1
	293 3 0904 50000	-Twist wire UL, white	1	R117		Carbon 56 Ω ±10% 1/4W	1
100	4 2369 20210	-Receptacle	3	R128,R142		Carbon 470 Ω ±10% 1/4W	2
RF, IF, MPX P.C.B. ASSEMBLY PARTS				R130		Carbon 560 Ω ±10% 1/4W	1
				R146		Carbon 1 KΩ ±10% 1/4W	1
				R104,R110		Carbon 1.5 KΩ ±10% 1/4W	2
				R140		Carbon 2 KΩ ±10% 1/4W	1
				R105,R109,		Carbon 2.2 KΩ ±10% 1/4W	3
				R125			
				R106,R111		Carbon 6.8 KΩ ±10% 1/4W	2
				R132		Carbon 3.3 KΩ ±10% 1/4W	1
				R112		Carbon 68 Ω ±10% 1/4W	1
				R102		Carbon 100 Ω ±10% 1/4W	1
				R131		Carbon 1.2 KΩ ±10% 1/4W	1
				R149,R150		Carbon 15 KΩ ±10% 1/4W	2
				R101		Carbon 100 KΩ ±10% 1/4W	1
				TR102,TR103	203 5 4500 66843	(SEMICONDUCTORS)	
				TR104	203 5 5500 92940	Transistor 2SC 668	2
				TR105,TR106	203 5 5500 93040	Transistor 2SC 929	1
				TR101	203 5 6500 04160	Transistor 2SC 930	2
				D103,D104,	202 5 9110 18820	Transistor 2SK 41	1
				D105,D106,		Diode IS 188FM1	5
				D107			
				D109	205 5 9040 44210	Diode DS-442	1
				IC101	206 5 0081 20121	IC LA 1201A-H	1
				IC102	206 5 0673 30110	IC LA 3301	1
C103,C141,		(CAPACITORS)					
C165		Ceramic 1PF 0.25PF 50V	3				
C113		Ceramic 2PF ±0.25PF 50V	1				

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RF, IF, MPX P.C.B. BOTTOM VIEW

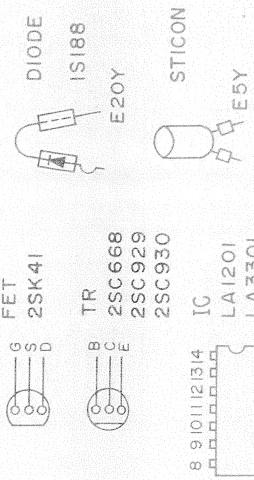
CLASSIFICATION	TRI01	TRI02	TRI03	TRI04	DI03~DI07	IC101	IC102	DI09	TRI05	TRI06
TR	2SK4I	2SC668R	2SC668R	2SC929	IS1B8	LA120I	LA330I	DS-442	2SC930	2SC930
RANK	F	D,E	D	E,D	FMI				D,E	D,E



4-2269-22601
CMK-8 704 JAPAN

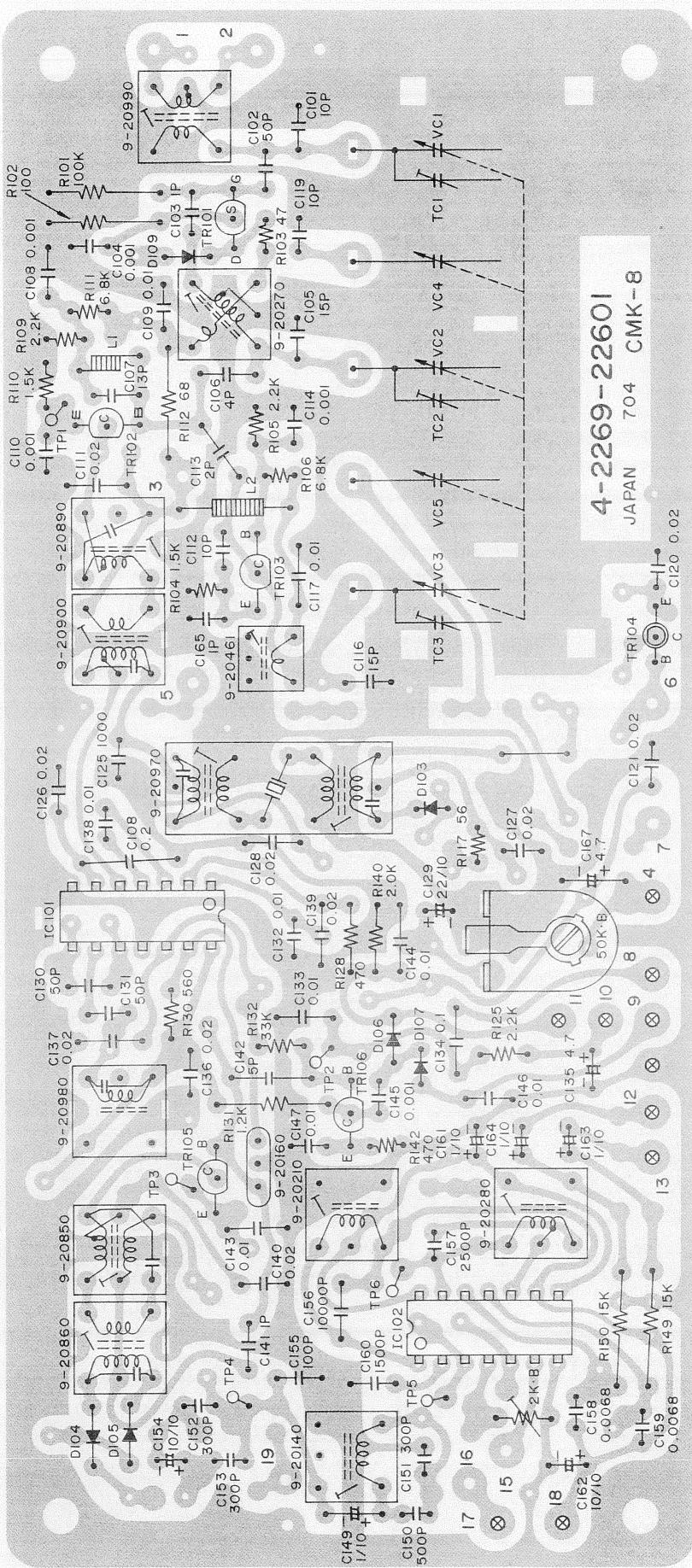
TERMINAL NO	TERMINAL NO	FM ANT	I2	FM OUT (R)
		FM +B	I3	FM OUT (L)
1, 2				
3				
4		AM +B	I4	
5, 9		AFC	I5, I6	STEREO IND.
6, 7		AM ANT	I7	INDICATOR +B
8		AM OUT	I8	+B (9V)

TRANSISTOR BOTTOM VIEW



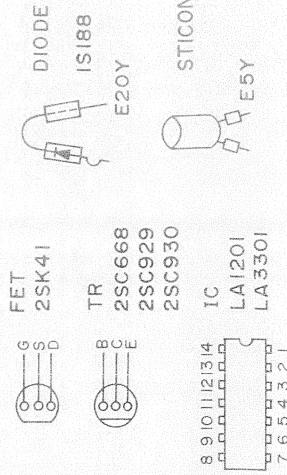
RF, IF, MPX P.C.B. TOP VIEW

CLASSIFICATION	TRI01	TRI02	TRI03	TRI04	DI03~DI07	IC101	IC102	DI09	TRI05	TRI06
TR	2SK41	2SC668R	2SC668R	2SC929	IS188	LA1201	LA3301	DS-442	2SC930	2SC930
RANK	F	D, E	D	E, D	FM1				D, E	D, E



TERMINAL NO	TERMINAL NO	FM ANT	I2	FM OUT (R)
		FM +B	I3	FM OUT (L)
1, 2		AM +B	I4	
3		AFC	I5, I6	STEREO IND.
4		AM ANT	I7	INDICATOR +B
5, 9		AM OUT	I8	+B (9V)
6, 7				
8				

TRANSISTOR BOTTOM VIEW

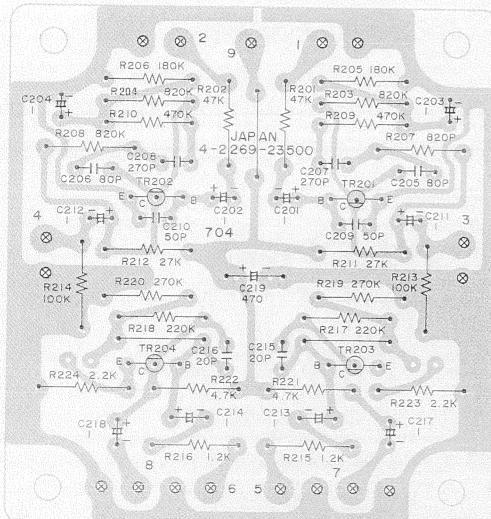


PARTS LIST

Key No.	Part No.	Description	Q'ty	Key No.	Part No.	Description	Q'ty
PRE-AMP P.C.B. ASSEMBLY PARTS							
104	131 0 4001 27002 111 2 6220 11100	PRE-AMP P.C.B. assy Wire wrap terminal (CAPACITORS)	1 17	R223,R224 R221,R222 R211,R212 R201,R202 R213,R214 R205,R206 R217,R218 R219,R220 R209,R210 R203,R204, R207,R208		Carbon 2.2 KΩ ±10% 1/4W Carbon 4.7 KΩ ±10% 1/4W Carbon 27 KΩ ±10% 1/4W Carbon 47 KΩ ±10% 1/4W Carbon 100 KΩ ±10% 1/4W Carbon 180 KΩ ±10% 1/4W Carbon 220 KΩ ±10% 1/4W Carbon 270 KΩ ±10% 1/4W Carbon 470 KΩ ±10% 1/4W Carbon 820 KΩ ±10% 1/4W	2 2 2 2 2 2 2 2 2 2 4
C215,C216 C209,C210 C205,C206 C207,C208 C203,C204 C219 C201,C202, C211,C212, C213,C214, C217,C218 R215,R216		Caramic 20 PF ±10% 50V Caramic 50 pF ±10% 50V Caramic 80 PF ±10% 50V Caramic 270 PF ±10% 50V Electrolytic 1 MF 25V Electrolytic 470 MF 35V Alsicon 1 MF ±20% 25V (RESISTORS) Carbon 1.2 KΩ ±10% 1/4W	2 2 2 2 2 1 8 2	TR203,TR204 TR201,TR202	203 5 5100 69362 203 5 5100 69379	(SEMICONDUCTORS) Transistor 2SC 693 Transistor 2SC 693	2 2

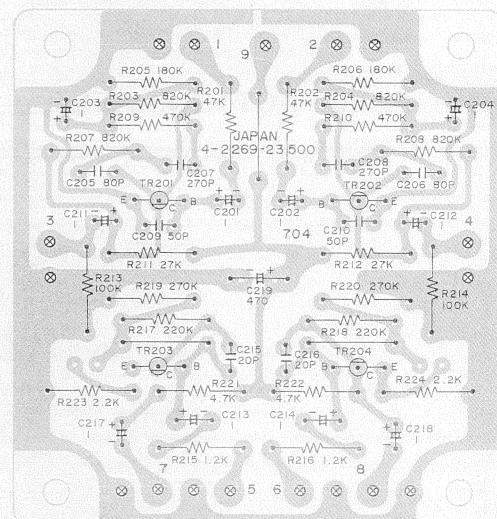
NOTES: 1. Part orders must contain Model Number, Part Number and Description.
 2. Unless otherwise noted, component parts indicated by parentheses in the column Q'ty are not available.
 3. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

PRE AMP. P.C.B. BOTTOM VIEW



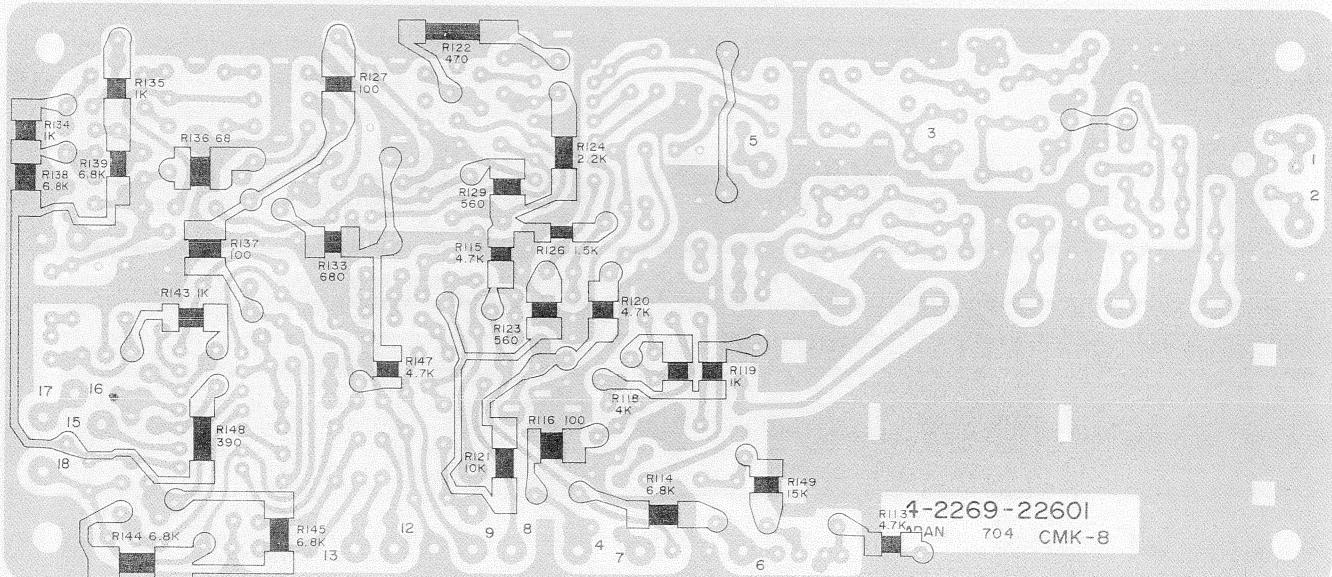
TR201, TR202 2SC693 GL · TR203, TR204 2SC693 FU

PRE AMP. P.C.B. TOP VIEW



TR201, TR202 2SC693GL · TR203, TR204 2SC693FU

RF, IF, MPX PRINTED RESISTORS BOARD

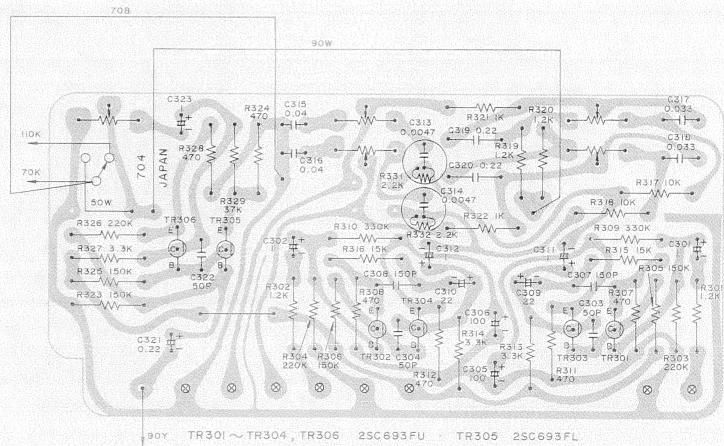


PARTS LIST

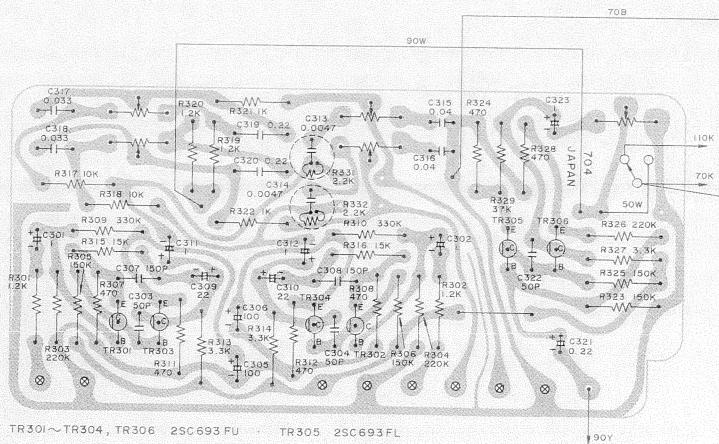
Key No.	Part No.	Description	Q'ty	Key No.	Part No.	Description	Q'ty
TONE, MIC P.C.B. ASSEMBLY PARTS							
103	131 0 4001 43200 4 2229 22220 4 2229 22720 111 2 6220 11100	Tone-Mic P.C.B. assy VR A-50K VR B-5K Wire wrap terminal (CAPACITORS) Ceramic 50PF ±10% 50V	1 2 1 8 3	R321,R322 R301,R302, R319,R320 R331,R332 R313,R314, R327 R317,R318 R315,R316 R329 R305,R306, R323,R325 R303,R304, R326 R309,R310	Carbon 1 KΩ ±10% 1/4W Carbon 1.2 KΩ ±10% 1/4W Carbon 2.2 KΩ ±10% 1/4W Carbon 3.3 KΩ ±10% 1/4W	2 4 2 3	
C303,C304, C322	C307,C308 C313,C314 C317,C318 C315,C316 C319,C320 C321	Ceramic 150PF ±10% 50V Mylar 0.0047 ±20% 50V Mylar 0.033MF ±20% 50V Mylar 0.04MF ±20% 50V Mylar 0.22MF ±20% 50V Electrolytic 0.22MF 10WV Electrolytic 1MF 25WV	2 2 2 2 2 1 5	R317,R318 R315,R316 R329 R305,R306, R323,R325 R303,R304, R326 R309,R310	Carbon 10 KΩ ±10% 1/4W Carbon 15 KΩ ±10% 1/4W Carbon 39 KΩ ±10% 1/4W Carbon 150 KΩ ±10% 1/4W	2 2 1 4	
C311,C312, C323	C309,C310 C305,C306	Electrolytic 22MF 16V Electrolytic 100MF 10V (RESISTORS)	2 2	TR301,TR302 TR303,TR304, TR306 TR305	Carbon 220 KΩ ±10% 1/4W Carbon 330 KΩ ±10% 1/4W (SEMICONDUCTORS) Transistor 2SC 693 Transistor 2SC 693	3 2 5 1	
R307,R308, R311,R312, R324,R328		Carbon 470Ω ±10% 1/4W	6	203 5 5100 69362 203 5 5100 69369	Transistor 2SC 693		

NOTES: 1. Part orders must contain Model Number, Part Number and Description.
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 3. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

TONE, MIC P.C.B. BOTTOM VIEW



TONE, MIC P.C.B. TOP VIEW

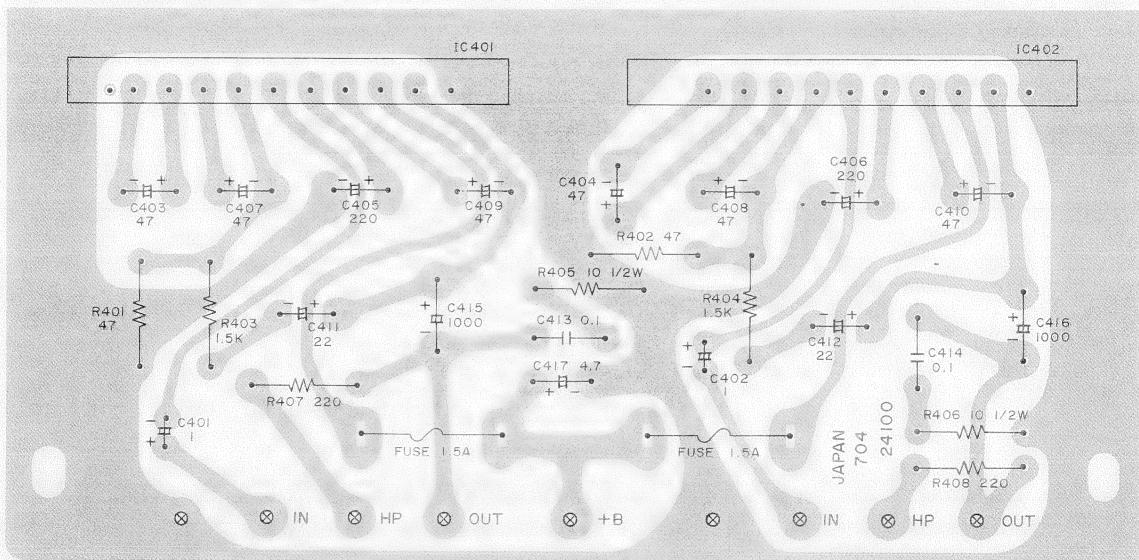


PARTS LIST

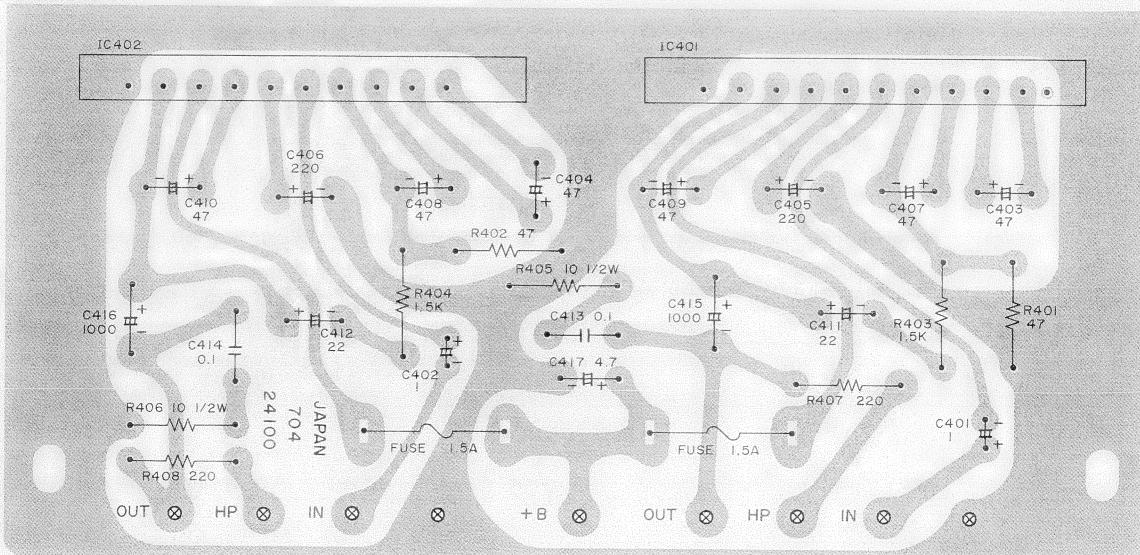
Key No.	Part No.	Description	Q'ty	Key No.	Part No.	Description	Q'ty
MAIN AMP. P.C.B. ASSEMBLY PARTS							
102	131 0 4001 34403	Main AMP. P.C.B. assy	1	C405,C406		Electrolytic 220MF 35V	2
	4 2349 20010	Fuse 1.5A	2	C415,C416		Electrolytic 1000MF 35V	2
	4 2359 20930	Fuse holder	4	C401,C402		Alsicom 1 MF ±20% 25V (RESISTORS)	2
102 3 1203 01602		Screw, pan Hd. tap, 3.0×16	4	R405,R406		Solid 10Ω ±10% 1/2W	2
111 2 6220 11100		Wire wrap terminal	9	R401,R402		Carbon 47Ω ±10% 1/4W	2
131 2 6201 19802		Plate, heat shink	2	R407,R408		Carbon 220Ω ±10% 1/4W	2
131 2 7103 13402		Label, 1.5A (CAPACITORS)	2	R403,R404		Carbon 1.5KΩ ±10% 1/4W	2
C413,C414		Mylar 0.1MF ±20% 50V	2	IC401,IC402	206 5 6160 01610	(SEMICONDUCTOR) IC STK 016	2
C417,		Electrolytic 4.7MF 50V	1				
C411,C412		Electrolytic 22MF 25V	2				
C403,C404,		Electrolytic 4.7MF 25V	6				
C407,C408,							
C409,C410							

- NOTES: 1. Part orders must contain Model Number, Part Number and Description.
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MAIN AMP. P.C.B. BOTTOM VIEW



MAIN AMP. P.C.B. TOP VIEW



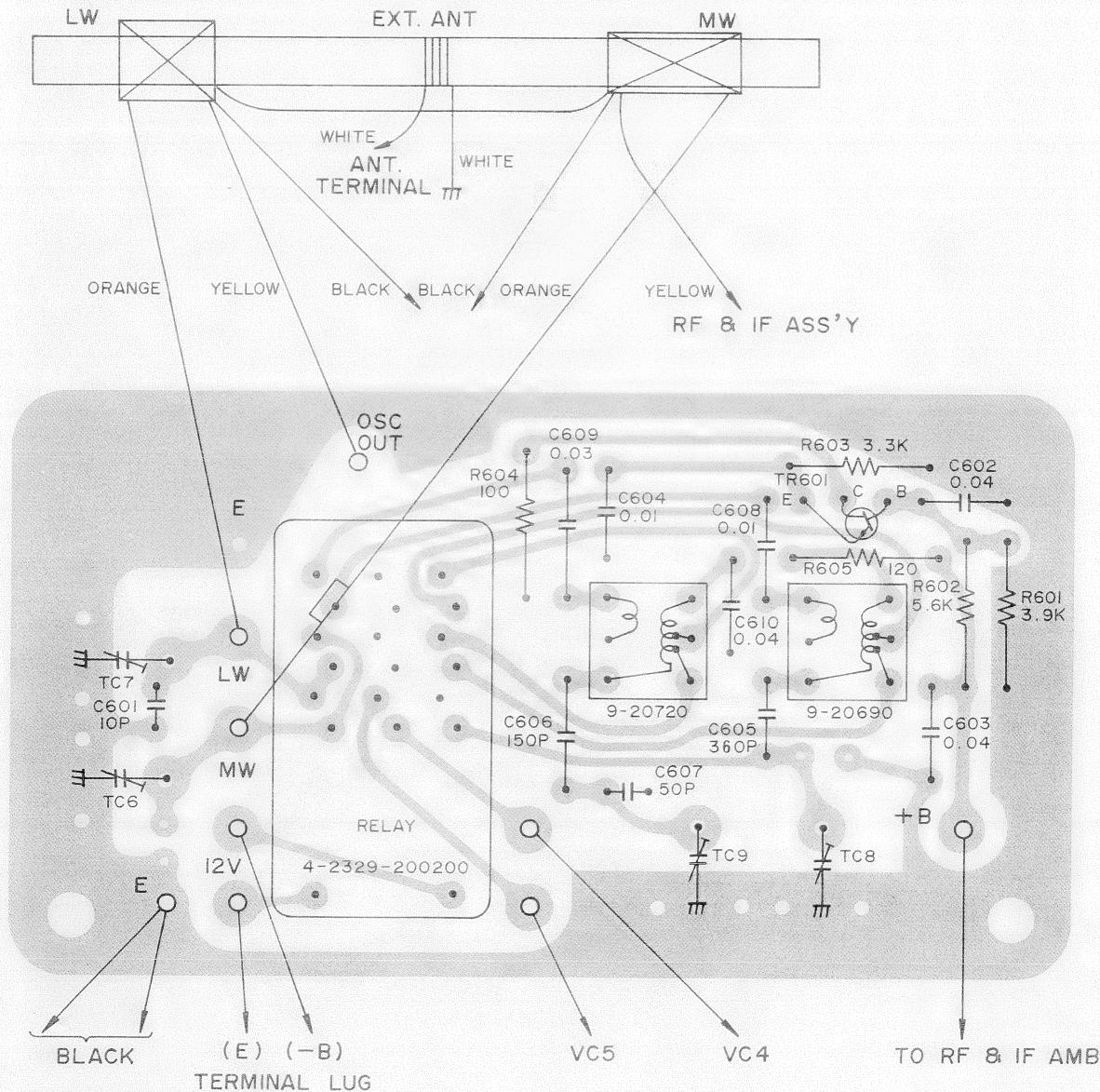
PARTS LIST

Key No.	Part No.	Description	Q'ty	Key No.	Part No.	Description	Q'ty
AM CONVERTER P.C.B. ASSEMBLY PARTS							
110	131 0 4001 21800	AM converter P.C.B. assy	1	C605		Styrol 360PF ±5% 50V	1
TC8	4 2249 20310	Variable capacitor	1	C602, C603,		Ceramic 0.04MF +80 -20% 50V	3
TC6, TC7, TC9	4 2249 20440	Trimmer capacitor	3	C610		(RESISTORS)	
	4 2329 20020	Relay	1	R604		Carbon 100Ω ±10% 1/4W	1
	4 2589 20690	OSC coil MW	1	R605		Carbon 120Ω ±10% 1/4W	1
	4 2589 20720	OSC coil MW (CAPACITORS)	1	R603		Carbon 3.3KΩ ±10% 1/4W	1
C601		Ceramic 10PF ±0.25PF 50V	1	R601		Carbon 3.9KΩ ±10% 1/4W	1
C607		Ceramic 56PF ±0.5PF 50V	1	R602		Carbon 5.6KΩ ±10% 1/4W	1
C604, C608		Mylar 0.01MF ±20% 50V	2	TR601	203 5 5100 53640	(SEMICONDUCTORS)	
C609		Mylar 0.03MF ±20% 50V	1			Transistor 2SC 536	1
C606		Styrol 150PF ±5% 50V	1				

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AM CONVERTER P.C.B. BOTTOM VIEW

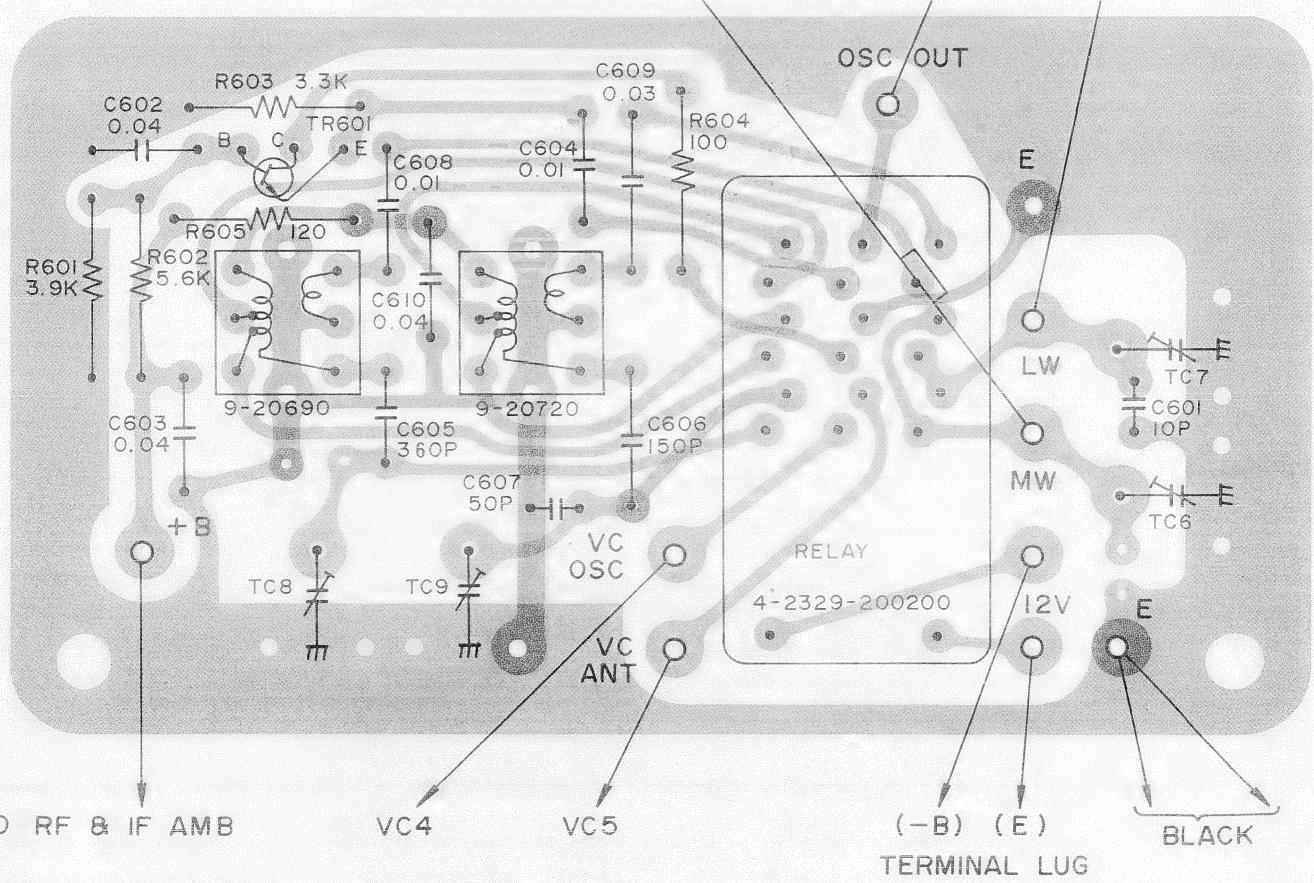
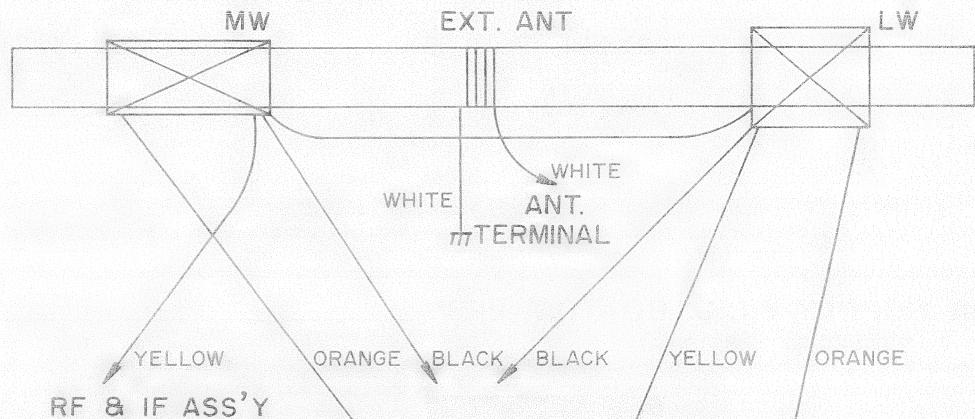
AM ANTENNA COIL
4-2579-210000



TR601 2SC536

AM CONVERTER P.C.B. TOP VIEW

AM ANTENNA COIL
4-2579-210000

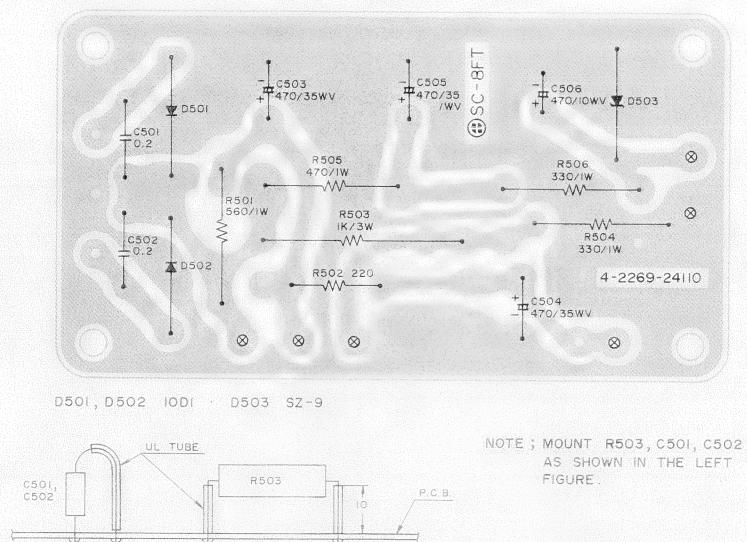


PARTS LIST

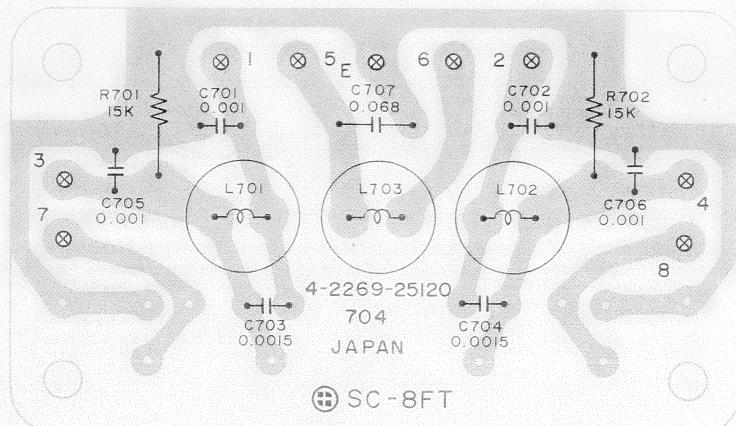
Key No.	Part No.	Description	Q'ty	Key No.	Part No.	Description	Key
POWER SUPPLY P.C.B. ASSEMBLY PARTS							
105	131 0 4001 34602 111 2 6220 11100	Power supply P.C.B. assy Wire wrap terminal (CAPACITORS)	1 6	107 L701,L702, L703	131 0 4001 43100 4 2659 20190	Filter P.C.B. assy Multiplex coil	1 3
C501,C502 C506 C503,C504, C505 R502 R504,R506 R505 R501 R503		Metamizer 0.2 μ F $\pm 20\%$ 150W Electrolytic 470MF 10V Electrolytic 470MF 35V (RESISTORS) Carbon 1.2K Ω $\pm 10\%$ 1/4W Metal filum 330 Ω $\pm 10\%$ 1W Metal filum D.M.F. 470 Ω $\pm 10\%$ 1W Metal filum D.M.F. 560 Ω 560 Ω 1W Metal film 1K Ω $\pm 10\%$ 1W (SEMICONDUCTORS) Diode 10D1 Diode SZ-9	2 1 3 1 1 2 1 1 2 1	C703,C704 C707 C701,C702, C705,C706 R701,R702	111 2 6220 11100 C703,C704 C707 C701,C702, C705,C706 R701,R702	Wire wrap terminal (CAPACITORS) Mylar 0.0015MF $\pm 10\%$ 50V Mylar 0.068MF $\pm 20\%$ 50V Ceramic 0.001MF $\pm 20\%$ 50V (RESISTORS) Carbon 15K Ω $\pm 10\%$ 1/4W	9 2 1 4 2
D501,D502 D503	202 5 3000 00910		1				

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POWER SUPPLY P.C.B. BOTTOM VIEW



FILTER P.C.B. BOTTOM VIEW



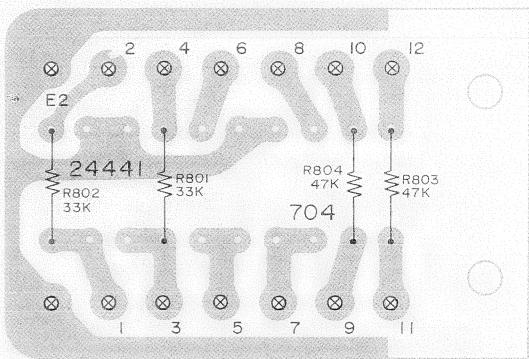
PARTS LIST

DIN P.C.B. BOTTOM VIEW

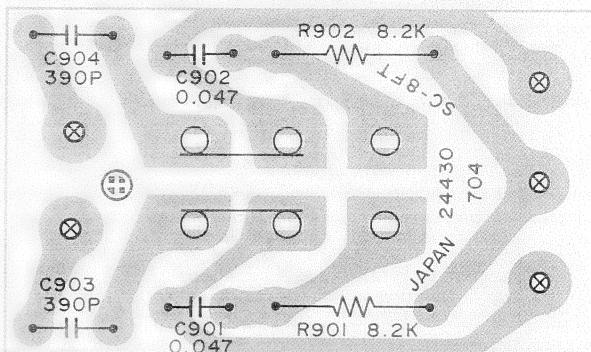
Key No.	Part No.	Description	Q'ty
DIN P.C.B. ASSEMBLY PARTS			
109	131 0 4001 42601	DIN P.C.B. assy	1
	111 2 6220 11100	Wire wrap terminal (RESISTORS)	14
R801,R802		Carbon 33KΩ ±10% 1/4W	2
R803,R804		Carbon 47KΩ ±10% 1/4W	2
LOUDNESS P.C.B. ASSEMBLY PARTS			
108	131 0 4001 34503	Loudness P.C.B. assy	1
	4 2319 22334	Switch, lever 6P	1
	111 2 6220 11100	Wire wrap terminal (CAPACITORS)	5
C901,C902		Mylar 0.047μF ±20% 50V	2
C903,C904		Ceramic 390PF ±10% 50V	2
R901,R902		(RESISTORS)	
		Carbon 8.2KΩ ±10% 1/4W	2
PILOT P.C.B. ASSEMBLY PARTS			
106	131 0 4001 27802	Pilot P.C.B. assy	1
	4 2359 21290	Socket, pilot	4
	4 2379 20950	Terminal (RESISTORS)	4
R1001		Carbon 10Ω ±10% 1/4W	1

NOTES:

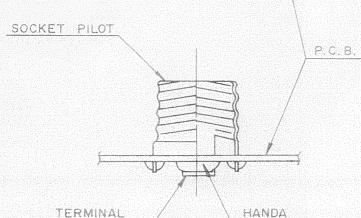
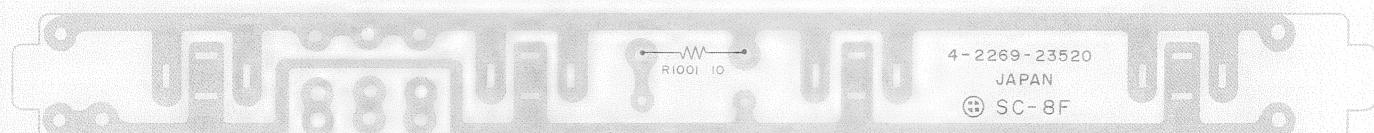
1. Part orders must contain Model Number, Part Number and Description.
2. Unless otherwise noted, component parts indicated by parentheses in the column Q'ty are not available.
3. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.



LOUDNESS P.C.B. BOTTOM VIEW



PILOT P.C.B. BOTTOM VIEW



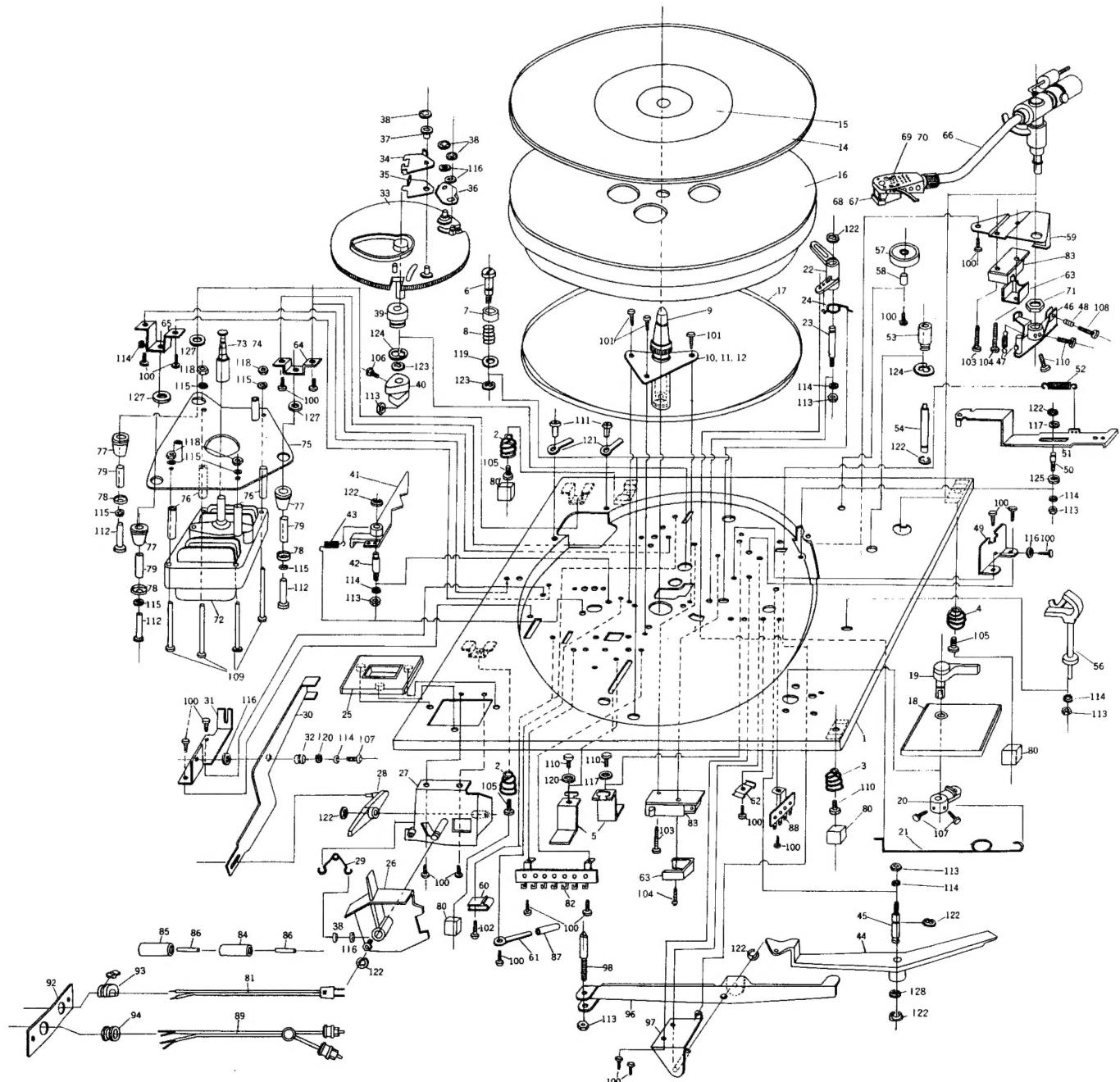
PARTS LIST

Key No.	Part No.	Description	Q'ty	Key No.	Part No.	Description	Q'ty		
TURNTABLE									
1	134 0 6001 12101	Unit Plate Ass'y, Motor Board	1	51	134 0 6035 10800	Arm Return Ass'y	1		
	134 2 2101 11700	Unit plate, Motor Board	(1)		134 2 4123 13000	— Arm	(1)		
	134 2 2403 12000	Angle Mount, Spring Mount	(2)		134 2 4109 16300	— Pin	(1)		
	134 2 2403 12100	Angle Mount, Spring Mount	(2)	52	134 2 5101 20800	Spring	1		
	134 2 2403 12200	Angle Mount	(1)	53	134 2 4118 13800	Boss	1		
	134 2 4121 10500	Guide	(1)	54	134 0 6027 10801	Shaft Elevate Ass'y	1		
2	134 2 5102 12300	Spring Mounting	2		134 2 4116 11001	— Spindle Lifting	(1)		
3	134 2 5102 12400	Spring Mounting	1		134 2 1515 10300	— Cap Lifter	(1)		
4	134 2 5102 12500	Spring Mounting	1	56	134 0 6031 11100	Arm Rest Ass'y	1		
5	134 2 2403 12300	Angle Mount	2		134 2 3301 11900	— Arm Rest	(1)		
6	134 2 2104 10800	Screw Transit	2		134 2 3308 10400	— Holder Pickup	(1)		
7	134 2 4213 10300	Washer Bowl	2	57	134 2 2901 10501	Adapter EP	1		
8	134 2 5101 20000	Spring	2	58	134 2 2902 00302	Pin Adapter EP	1		
	134 0 9002 10300	Spindle Turntable Complete Ass'y	1	59	134 2 4108 13800	Plate	1		
9	134 0 5002 10200	Spindle Turntable Ass'y	1	60	131 2 3608 11000	Cramp Wire	1		
	134 2 6107 10700	— Spindle Turntable	(1)	61	131 2 3608 10200	Cramp Wire	1		
	134 2 4111 10400	— Gear Turntable	(1)	62	131 2 3608 10300	Cramp Wire	1		
10	134 0 5010 10500	Bracket Spindle T.T. Ass'y	1	63	131 2 1401 10300	Cover	2		
11		— Washer Polyethylene	1	64	134 2 2403 11800	Angle Mount (A)	1		
12		— Washer Felt	1	65	134 2 2403 11900	Angle Mount (B)	1		
14	134 2 6102 12701	Mat Turntable	1		4 1579 20616	Pickup Complete Ass'y	1		
15	134 2 6103 10000	Plate Decorate T.T.	1		134 0 4001 02506	— Tone Arm Ass'y	1		
16	134 2 6101 11000	Turntable	1		67	4 1579 26382	— Cartridge	1	
17	134 2 6302 10400	Belt	1		68	4 1579 29081	— Pickup Stylus	1	
18	134 0 1005 10305	Cover Rejector Ass'y	1		69		— Screw 2.6 x 16	2	
	134 2 1210 10605	— Plate Ind. Rejector	(1)		70		— Nut M2.6	2	
	134 2 1403 10400	— Cover Rejector	(1)		71		— Nut Hex. M12	1	
19	134 0 1004 12100	Knob Rejector Ass'y	1		72	4 5289 20301	Synchronous Motor	1	
	134 2 1601 12500	— Knob	(1)		73	134 2 6401 11600	Pulley	1	
	134 2 1608 00100	— Decorate Knob	(1)		75	134 0 6037 10300	Base Ass'y	1	
20	134 2 4120 14500	Lever, Starter	1			134 2 4108 13900	— Plate	(1)	
21	134 2 5101 20100	Spring, Starter	1			134 2 4202 11200	— Nut	(2)	
22	134 2 4120 14600	Lever, Kick	1		76	134 2 4208 11400	Spacer	4	
23	134 2 4106 15000	Shaft, Kick	1		77	134 2 5202 00200	Rubber Cushion	3	
24	134 2 5101 20200	Spring, Kick	1		78	134 2 4213 10000	Washer Bowl	3	
25	134 0 1007 00200	Cover Select Ass'y	1		79	134 2 4208 11300	Spacer	3	
	134 2 1208 10800	— Plate Ind. Speed	(1)		80	134 2 5205 10000	Cushion	4	
	134 2 1405 00100	— Cover Select	(1)		81	4 2439 20510	Power Cord	1	
	134 0 5008 10200	Selector Speed Complete Ass'y	1		82	4 2379 20720	Lug 5P	1	
26	134 2 1601 12600	— Knob	1		83	4 2319 21990	Switch Power	2	
27	134 0 6009 10800	Lever Set Ass'y	1		84	Oil Capacitor 0.047μF 600WV	1		
	134 2 2403 12400	— Angle Mount	(1)		85	UL Tube 11φ x 12φ x 45L	1		
	134 2 4106 15100	— Shaft 16 pin	(1)		86	UL Tube 1φ x 2φ x 35L	2		
	134 2 4106 15200	— Shaft 8 pin	(1)		87	Vinyl Tube 3φ x 4φ x 50L	1		
	134 2 4106 15300	— Shaft, Spring	(1)		88	4 2379 20150	Lug 3P	1	
28	134 2 4127 10100	Seasaw	1		89	131 0 4004 11700	Wire Shield Ass'y	1	
29	134 2 5101 20300	Spring	1		92	131 2 3101 11901	Metal Mount	1	
	134 0 5003 10500	Jockey Arm Ass'y	1		93	131 2 6111 11300	Bushing	1	
30	134 2 4123 12800	— Arm	1		94	131 2 6111 10300	Bushing	1	
31	134 2 2403 12500	— Angle Mount	1		96	134 2 4123 13100	Arm	1	
32	134 2 4107 00200	— Collar	1		97	134 0 6026 10500	Angle Elevate Ass'y	1	
	134 0 6030 11001	Gear Cycling Ass'y	1			134 2 2403 12600	— Angle Mount	(1)	
33	134 2 4110 10600	— Gear Cycling	(1)			134 2 4106 15800	— Shaft	(1)	
34	134 2 4102 10800	— Trip (A)	(1)			98	134 0 6027 10900	Shaft Elevate Ass'y	1
35	134 2 4122 10900	— Trip (B)	(1)				134 2 4106 15900	— Shaft	(1)
36	134 2 4122 11000	— Trip (C)	(1)				134 2 1505 10100	— Index Speed	(1)
37	134 2 4107 12600	— Collar	(1)		100	Tpg. Screw Pan Hd. (2) 3 x 5	20		
38		— Circlip	3		101	Tpg. Screw Pan Hd. (2) 3 x 8	3		
	134 2 4118 13500	Boss	1		102	Tpg. Screw Pan Hd. (2) 3 x 12	1		
40	134 2 4118 13600	Boss	1		103	Tpg. Screw Pan Hd. (2) 3 x 14	2		
41	134 2 4120 14700	Lever, Gear Stopper	1		104	Tpg. Screw Pan Hd. (2) 3 x 16	2		
42	134 2 4106 15400	Shaft, Gear Stopper	1		105	Tpg. Screw Pan Hd. (2) 3.5 x 8	4		
43	134 2 5101 20400	Spring	1		106	Screw Pan Hd. 3 x 5	1		
44	134 2 4123 12900	Arm, Return Arm	1		107	Screw Pan Hd. 3 x 8	3		
45	134 2 4106 15500	Shaft, Return Arm	1		108	Screw Pan Hd. 3 x 12	1		
	134 0 9902 10100	Plate P.U. Complete Ass'y	1		109	Screw Pan Hd. 4 x 35	4		
46	134 0 6022 10400	— Plate P.U. Ass'y	1		110	Screw Pan Hd. 4 x 8	4		
	134 2 4108 13500	— Plate	1		111	Screw Pan Hd. (+)(-) 4 x 8	2		
	134 0 6022 10500	— Plate P.U. Fix Ass'y	1		112	Screw Pan Hd. 4 x 25	3		
	134 2 4108 13600	— Plate	(1)		113	Nut Hex. (3) M3	7		
	134 2 4109 16200	— Pin	(1)		114	Spring Washer M3	7		
	134 2 4118 13700	— Boss	(1)		115	Spring Washer M4	7		
47	134 2 5101 20500	— Spring	(1)		116	Washer 3 x 8 x 0.5t	4		
48	134 2 5101 20600	— Spring	(1)		117	Washer 4 x 10 x 0.8t	2		
49	134 2 4121 10600	Guide	1		118	Nut Hex. (3) M4	4		
50	134 2 4106 15700	Shaft	1		119	Washer 6 x 14 x 1t	2		

Notes:

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3. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

TURNTABLE EXPLODED VIEW



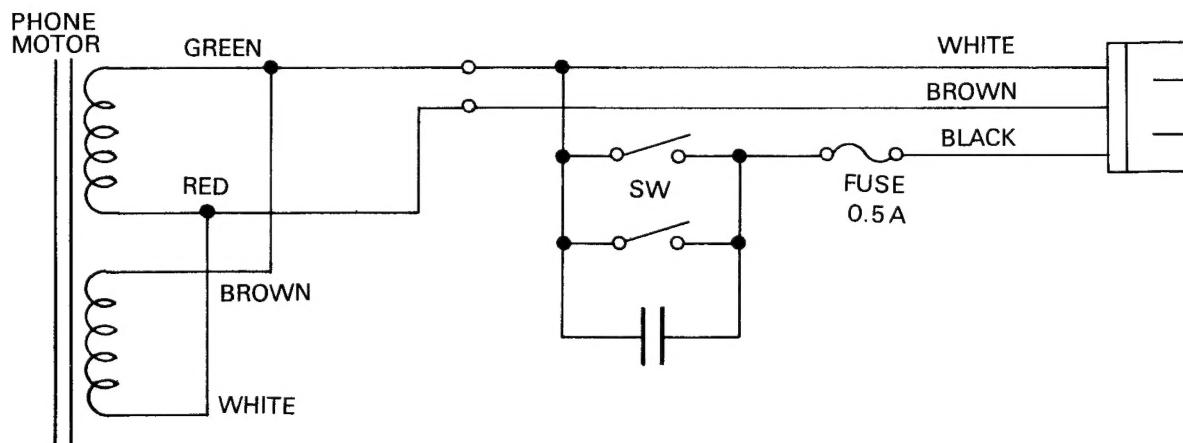
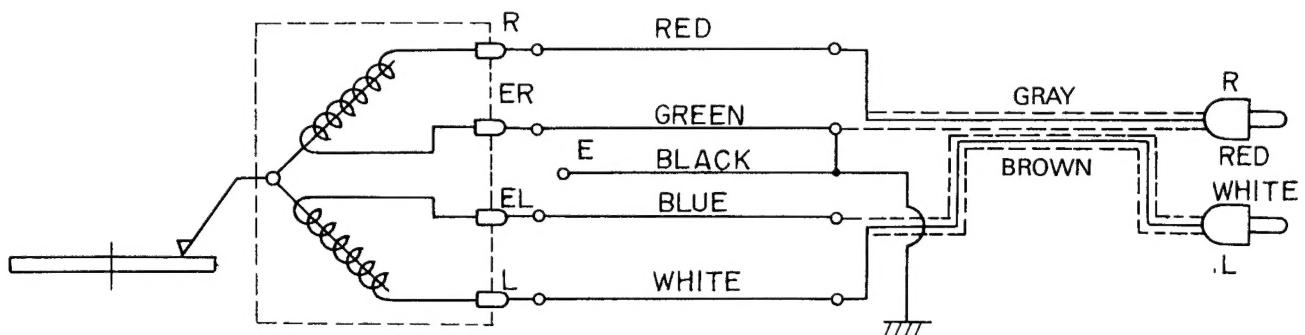
PARTS LIST

Key No.	Part No.	Description	Q'ty
TURNTABLE			
120		Washer, Polyethylene 4 x 10 x 0.8t	1
121		Washer 4φ	2
122		Circlip 3φ	9
123		Circlip 4φ	3
124		Circlip 8φ	2
125		Washer 3 x 8 x 1t	1
126		Washer 3 x 12 x 1t	1
127		Washer 4 x 18 x 1t	3
128		Washer 5 x 10 x 0.3t	1

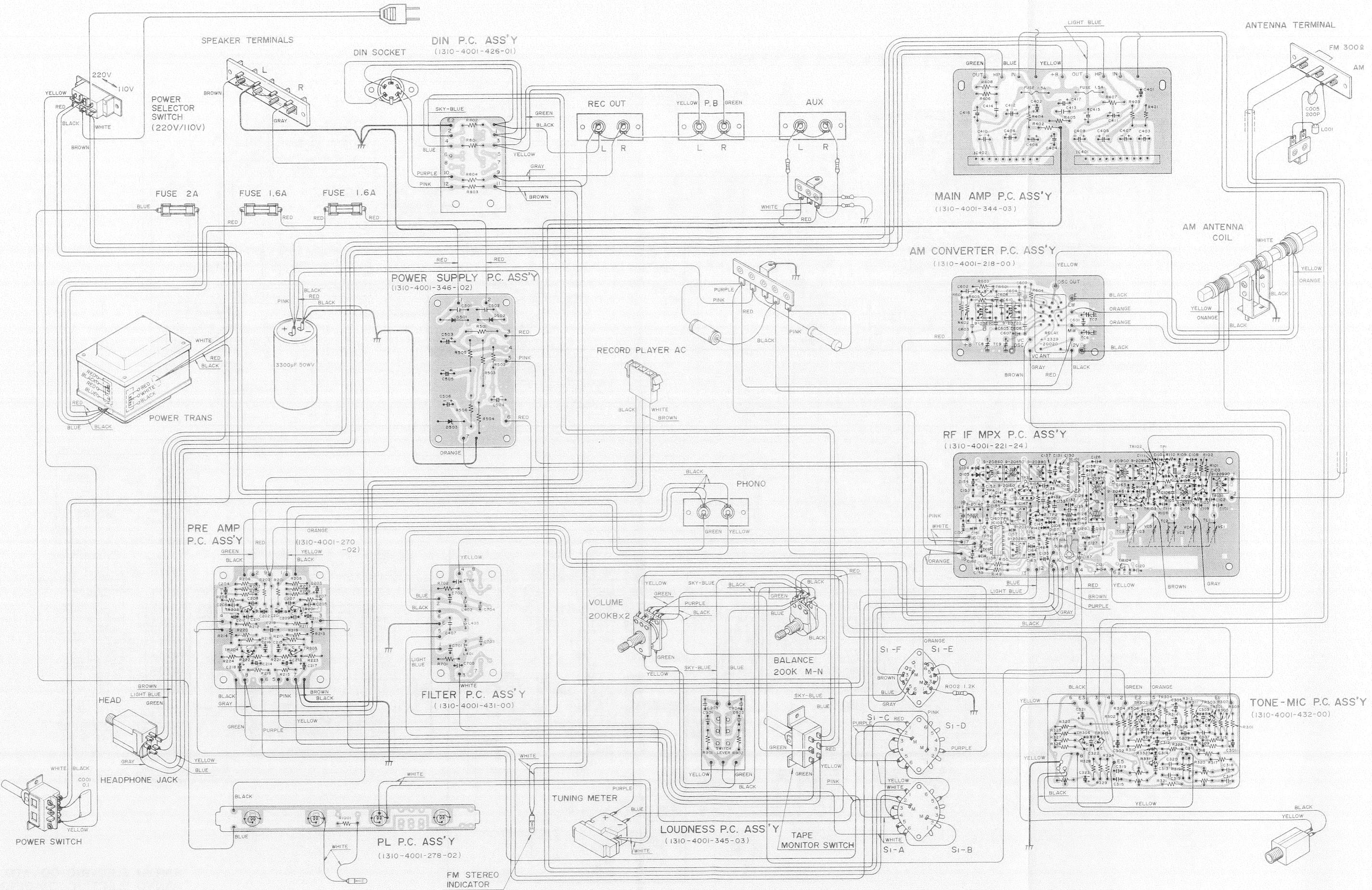
Notes:

1. Parts orders must contain Model Number, Part Number and Description.
2. Unless otherwise noted, component parts indicated by parentheses in the column Q'ty are not available.
3. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

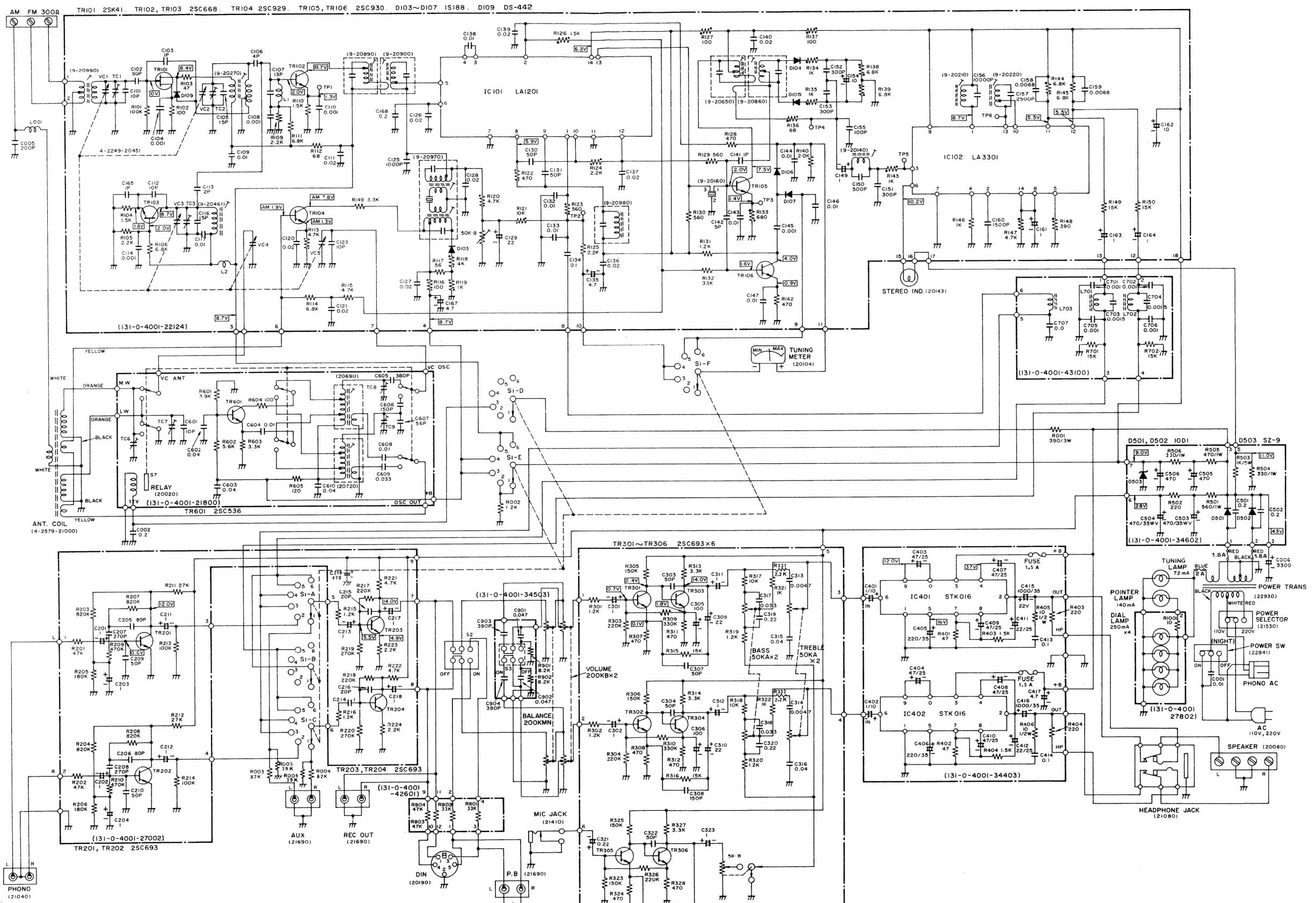
PLAYER CIRCUIT DIAGRAM



WIRING DIAGRAM



SCHEMATIC DIAGRAM



SANYO ELECTRIC CO., LTD.
SANYO ELECTRIC TRADING CO., LTD.
OSAKA, JAPAN